

**Product:** Neurturin (NTN), human, recombinant  
**Catalog #:** 11-NTN-H  
**Amount:** 5 µg

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**DESCRIPTION:** Human Neurturin (NTN) and Human GDNF comprise a family of TGF-beta related neurotrophic factor which have trophic influences on a variety of neuronal populations. Neurturin promotes the survivability of certain sympathetic and sensory neurons through interaction with distinct set of GDNF-like receptors. Neurturin is a homodimeric 23.6 kDa protein consisting of two identical subunits each containing 103 amino acid residues

**SOURCE:** *Escherichia coli*

**PURITY:** Greater than 98.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC

**DIMERS & AGGREGATES:** <1% as determined by silver stained SDS-PAGE gel analysis

**ENDOTOXIN:** Less than 0.1 ng/µg (IEU/µg) of rHuNTN

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
1) UV spectroscopy at 280 nm.  
2) Analysis by RP-HPLC, using a standard solution of NTN as a Reference Standard.

**FORM:** Purified

**STORAGE:** -20°C, avoid freezing and thawing cycles after reconstitution

**BIOLOGICAL ACTIVITY:** rHuNTN is fully biologically active when compared to standard.  
Human Neurturin at a concentration of 100 ng/ml will support the survival of 65% of newborn rat sympathetic neurons

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